

=> file ca

10/06/05, JCO 8/24/05 CAS, BIOSIS

=> s ((gibberellin? or gibberellic?) (10a) (male(w)steril?))/ab,bi

L1 44 ((GIBBERELLIN? OR GIBBERELIC?) (10A) (MALE(W)STERIL?))/AB,BI

=> s (mutant? or mutat?)/ab,bi

L2 432946 (MUTANT? OR MUTAT?)/AB,BI

=> s l1 and l2

L3 7 L1 AND L2

=> file biosis

=> s l3

L4 7 L1 AND L2

=> dup rem

L5 11 DUP REM L3 L4 (3 DUPLICATES REMOVED)

=> d l5 1-11 ti py

L5 ANSWER 1 OF 11 CA COPYRIGHT 2005 ACS on STN DUPLICATE 1
TI Pleiotropic effects of the ***male*** ***sterile33*** (ms33)
mutation in Arabidopsis are associated with modifications in
endogenous ***gibberellins***, indole-3-acetic acid and abscisic acid
PY 2004

L5 ANSWER 2 OF 11 CA COPYRIGHT 2005 ACS on STN
TI Reversible male sterility in transgenic plants by expression of a
ga-insensitive ***mutant*** protein, gai
PY 2003

L5 ANSWER 3 OF 11 CA COPYRIGHT 2005 ACS on STN
TI Partial inhibition of pollen degradation by ***gibberellic*** acid in
male ***sterile*** tomato ***mutants*** derived from cv.
First (Lycopersicon esculentum Mill.)
PY 1999

L5 ANSWER 4 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI The arabidopsis GA1 locus encodes the cyclase ent-kaurene synthetase A of
gibberellin biosynthesis.
PY 1994

L5 ANSWER 5 OF 11 CA COPYRIGHT 2005 ACS on STN DUPLICATE 2
TI ***Mutations*** blocking sensitivity to ***gibberellic*** acid
promote ethylene-induced ***male*** ***sterility*** in wheat
PY 1990

L5 ANSWER 6 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI POLLEN DEVELOPMENT IN ARABIDOPSIS-THALIANA AND ITS GA-1 ***MUTANT***
PY 1990

L5 ANSWER 7 OF 11 CA COPYRIGHT 2005 ACS on STN DUPLICATE 3
TI Amylolytic activity and carbohydrate levels during the stamen ontogeny of
a male fertile, and a ***gibberellin*** -sensitive ***male***
sterile ***mutant*** of tomato (Lycopersicon esculentum)
PY 1989

L5 ANSWER 8 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI FLOWER DEVELOPMENT IN THE ***MALE*** ***STERILE*** STAMENLESS-2
MUTANT OF TOMATO THE ROLE OF ***GIBBERELLINS***
PY 1989

L5 ANSWER 9 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI ***GIBBERELIC*** ACID RESTORATION OF ANDROGENIC POTENTIALS IN
MALE - ***STERILE*** TOMATO ***MUTANTS***
PY 1988

L5 ANSWER 10 OF 11 CA COPYRIGHT 2005 ACS on STN
TI Morphological changes in ***male*** - ***sterile*** tomato
mutants treated with ***gibberellin***
PY 1971

L5 ANSWER 11 OF 11 CA COPYRIGHT 2005 ACS on STN
TI Phenotypic restoration of fertility in a ***male*** - ***sterile***
mutant by treatment with ***gibberellic*** acid
PY 1967

=> d 15 1 ab

=> d 15 2-11 ab

=> d 15 3-9

L5 ANSWER 3 OF 11 CA COPYRIGHT 2005 ACS on STN
AN 130:292746 CA
TI Partial inhibition of pollen degradation by ***gibberellic*** acid in
male ***sterile*** tomato ***mutants*** derived from cv.
First (Lycopersicon esculentum Mill.)
AU Ma, Youhui; Sakata, Kei; Masuda, Masaharu
CS Department of Eco-physiology, Faculty of Agriculture, Okayama University,
Okayama, Japan
SO Okayama Daigaku Nogakubu Gakujutsu Hokoku (1999), 88, 57-63
CODEN: ODNGAM; ISSN: 0474-0254
PB Okayama Daigaku Nogakubu
DT Journal
LA English
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 1995:20809 BIOSIS
DN PREV199598035109
TI The arabidopsis GA1 locus encodes the cyclase ent-kaurene synthetase A of
gibberellin biosynthesis.
AU Sun, Tai-Ping [Reprint author]; Kamiya, Yuji
CS Dep. Botany, Box 91000, Duke Univ., Durham, NC 27708-1000, USA
SO Plant Cell, (1994) Vol. 6, No. 10, pp. 1509-1518. *October*
CODEN: PLCEEW. ISSN: 1040-4651.
DT Article
LA English
OS Genbank-U11034
ED Entered STN: 11 Jan 1995
Last Updated on STN: 23 Feb 1995

printed

L5 ANSWER 5 OF 11 CA COPYRIGHT 2005 ACS on STN DUPLICATE 2
AN 114:39302 CA
TI ***Mutations*** blocking sensitivity to ***gibberellic*** acid
promote ethylene-induced ***male*** ***sterility*** in wheat
AU Keyes, Geoff; Sorrells, Mark E.
CS Monsanto Co., St. Louis, MO, 63167, USA
SO Euphytica (1990), 48(2), 129-39
CODEN: EUPHAA; ISSN: 0014-2336
DT Journal
LA English

L5 ANSWER 6 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 1990:369747 BIOSIS
DN PREV199039054223; BR39:54223
TI POLLEN DEVELOPMENT IN ARABIDOPSIS-THALIANA AND ITS GA-1 ***MUTANT***
AU FREDERICK P S [Reprint author]; SCHMID W E; MATTEN L C
CS DEP PLANT BIOL, SOUTHERN ILL UNIV, CARBONDALE, ILL 62901, USA
SO Plant Physiology (Rockville), (1990) Vol. 93, No. 1 SUPPL, pp. 67.
Meeting Info.: ANNUAL MEETING OF THE AMERICAN SOCIETY OF PLANT
PHYSIOLOGISTS, INDIANAPOLIS, INDIANA, USA, JULY 29-AUGUST 2, 1990. PLANT
PHYSIOL (BETHESDA).

CODEN: PLPHAY. ISSN: 0032-0889.
DT Conference; (Meeting)
FS BR
LA ENGLISH
ED Entered STN: 11 Aug 1990
Last Updated on STN: 11 Aug 1990

L5 ANSWER 7 OF 11 CA COPYRIGHT 2005 ACS on STN DUPLICATE 3
AN 111:229171 CA
TI Amylolytic activity and carbohydrate levels during the stamen ontogeny of
a male fertile, and a ***gibberellin*** -sensitive ***male***
sterile ***mutant*** of tomato (Lycopersicon esculentum)
AU Bhadula, S. K.; Sawhney, V. K.
CS Dep. Biol., Univ. Saskatchewan, Saskatoon, SK, S7N 0W0, Can.
SO Journal of Experimental Botany (1989), 40(216), 789-94
CODEN: JEBOA6; ISSN: 0022-0957
DT Journal
LA English

L5 ANSWER 8 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 1989:439443 BIOSIS
DN PREV198937084052; BR37:84052
TI FLOWER DEVELOPMENT IN THE ***MALE*** ***STERILE*** STAMENLESS-2
MUTANT OF TOMATO THE ROLE OF ***GIBBERELLINS***
AU SAWHNEY V K [Reprint author]; RASTOGI R; BHADULA S K
CS DEP BIOL, UNIV SASKATCHEWAN, SASKATOON, SASKATCHEWAN S7N 0W0, CANADA
SO American Journal of Botany, (1989) Vol. 76, No. 6 SUPPL, pp. 185.
Meeting Info.: JOINT MEETING OF L'ASSOCIATION BOTANIQUE DU CANADA
(CANADIAN BOTANICAL ASSOCIATION) AND THE BOTANICAL SOCIETY OF AMERICA,
TORONTO, CANADA, AUGUST 6-10, 1989. AM J BOT.
CODEN: AJBOAA. ISSN: 0002-9122.
DT Conference; (Meeting)
FS BR
LA ENGLISH
ED Entered STN: 21 Sep 1989
Last Updated on STN: 26 Sep 1989

L5 ANSWER 9 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 1988:347222 BIOSIS
DN PREV198835042064; BR35:42064
TI ***GIBBERELIC*** ACID RESTORATION OF ANDROGENIC POTENTIALS IN
MALE - ***STERILE*** TOMATO ***MUTANTS***
AU ALY M A M [Reprint author]; JONES R A
CS DEP VEG CROPS, UC DAVIS, DAVIS, CA 95616, USA
SO Plant Physiology (Rockville), (1988) Vol. 86, No. 4 SUPPL, pp. 121.
Meeting Info.: ANNUAL MEETING OF THE AMERICAN SOCIETY OF PLANT
PHYSIOLOGISTS, RENO, NEVADA, USA, JULY 10-14, 1988. PLANT PHYSIOL
(BETHESDA).
CODEN: PLPHAY. ISSN: 0032-0889.
DT Conference; (Meeting)
FS BR
LA ENGLISH
ED Entered STN: 26 Jul 1988
Last Updated on STN: 26 Jul 1988

=> file ca

=> s ((gibberellic? or gibberellin?)(10a)(male(w)steril?))/ab,bi

L6 44 ((GIBBERELIC? OR GIBBERELLIN?)(10A)(MALE(W)STERIL?))/AB,BI

=> s (maize or corn or zea)/ab,bi

L7 126544 (MAIZE OR CORN OR ZEA)/AB,BI

=> s 16 and 17

L8 4 L6 AND L7

=> file biosis

```

=> s 18
L9      1 L6 AND L7

=> dup rem
L10     5 DUP REM L8 L9 (0 DUPLICATES REMOVED)

=> d 110 1-5 ti py

L10     ANSWER 1 OF 5  CA  COPYRIGHT 2005 ACS on STN
TI      Reversible male sterility in transgenic plants by expression of a
        ga-insensitive mutant protein, gai
PY      2003

L10     ANSWER 2 OF 5  CA  COPYRIGHT 2005 ACS on STN
TI      Transgenic studies on the involvement of cytokinin and gibberellin in male
        development
PY      2003

L10     ANSWER 3 OF 5  BIOSIS  COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI      EFFECTS OF GA-3 ON SEX EXPRESSION IN      ***CORN***      ***ZEA***  -MAYS L.
PY      1988

L10     ANSWER 4 OF 5  CA  COPYRIGHT 2005 ACS on STN
TI      Gibberellic acid-controlled sex expression of      ***corn***      tassels
PY      1976

L10     ANSWER 5 OF 5  CA  COPYRIGHT 2005 ACS on STN
TI      Chemical induction of      ***male***      ***sterility***      in inbred
        ***maize***      by use of      ***gibberellins***
PY      1958

=> d 110 2-5 ab

=> file ca

=> s (gai?(10a)(male(w)steril?))/ab,bi

L11     8 (GAI?(10A)(MALE(W)STERIL?))/AB,BI

=> s 111 not 13
L12     7 L11 NOT L3

=> file biosis

=> s 112
L13     15 L11 NOT L3

=> dup rem
L14     18 DUP REM L12 L13 (4 DUPLICATES REMOVED)

=> d 114 1-18 ti py

L14     ANSWER 1 OF 18  BIOSIS  COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI      Comparison of seed-derived with micropropagated male-sterile plants of
        Tagetes erecta L. for F1 hybrid seed production.
PY      2004

L14     ANSWER 2 OF 18  BIOSIS  COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI      Heat and cold-induced male sterility in Drosophila buzzatii: Genetic
        variation among populations for the duration of sterility.
PY      2004

L14     ANSWER 3 OF 18  CA  COPYRIGHT 2005 ACS on STN      DUPLICATE 1
TI      Transgenic studies on the involvement of cytokinin and gibberellin in male
        development
PY      2003

L14     ANSWER 4 OF 18  BIOSIS  COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI      Development of a cytoplasmic nuclear male-sterility system in pigeonpea

```

using *C. scarabaeoides* (L.) Thouars.
PY 2003

L14 ANSWER 5 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI ***Gai*** induced ***male*** ***sterility*** is reversible by
kinetin.
PY 2002

L14 ANSWER 6 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI ***gai*** induced ***male*** ***sterility*** is reversible by
kinetin.
PY 2002

L14 ANSWER 7 OF 18 CA COPYRIGHT 2005 ACS on STN DUPLICATE 2
TI Intra- and inter-specific variations in the mitochondrial gene orf138 of
Ogura-type male-sterile cytoplasm from *Raphanus sativus* and *Raphanus*
raphanistrum
PY 2001

L14 ANSWER 8 OF 18 CA COPYRIGHT 2005 ACS on STN DUPLICATE 3
TI Sequence analysis on the mitochondrial orfB locus in normal and Ogura
male-sterile cytoplasms from wild and cultivated radishes.
PY 2001

L14 ANSWER 9 OF 18 CA COPYRIGHT 2005 ACS on STN
TI Genetic control of development by retinoic acid
PY 1997

L14 ANSWER 10 OF 18 CA COPYRIGHT 2005 ACS on STN DUPLICATE 4
TI Pleiotropy in microdeletion syndromes: neurologic and spermatogenic
abnormalities in mice homozygous for the p6H deletion are likely due to
dysfunction of a single gene
PY 1995

L14 ANSWER 11 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
TI THE FERTILITY RESTORER MUTATION INDUCED BY COBALT-60 GAMMA RAY FROM WHEAT
MALE STERILE LINES IN TRITICUM-TIMOPHEEVI CYTOPLASM.
PY 1989

L14 ANSWER 12 OF 18 CA COPYRIGHT 2005 ACS on STN
TI Male-sterile mutations induced by sodium azide and inheritance of the
mutants in rice
PY 1988

L14 ANSWER 13 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
TI SEX CHANGE WITH INBREEDING EXPERIMENTS ON SEPARATE VS. COMBINED SEXES.
PY 1986

L14 ANSWER 14 OF 18 CA COPYRIGHT 2005 ACS on STN
TI A study of hormones on cross-incompatibility of wheat with rye and *Hordeum*
bulbosum
PY 1982

L14 ANSWER 15 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
TI EFFECT OF SOYBEAN MALE STERILE GENE MS-1 ON ORGANIZATION AND FUNCTION OF
THE FEMALE GAMETOPHYTE.
PY 1977

L14 ANSWER 16 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
TI HYDROCEPHALIC POLY DACTYL A RECESSIVE PLEIOTROPIC MUTANT IN THE MOUSE AND
ITS LOCATION IN CHROMOSOME 6.
PY 1976

L14 ANSWER 17 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
TI RECURRENT SELECTION FOR YIELD IN SOYBEANS.
PY 1975

L14 ANSWER 18 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
TI INCIDENCE OF RACE O AND RACE T OF HELMINTHOSPORIUM-MAYDIS ON MAIZE WITH
NORMAL AND TEXAS ***MALE*** ***STERILE*** CYTOPLASMS AT
GAINESVILLE FLORIDA 1971-1972.
PY 1973

=> d 114 ab 1 3-9 11-12 14-15 17-18

=> d 114 3 5 6

L14 ANSWER 3 OF 18 CA COPYRIGHT 2005 ACS on STN DUPLICATE 1
AN 139:66107 CA
TI Transgenic studies on the involvement of cytokinin and gibberellin in male
development
AU Huang, Shihshieh; Cerny, R. Eric; Qi, Youlin; Bhat, Deepti; Aydt, Carrie
M.; Hanson, Doris D.; Malloy, Kathleen P.; Ness, Linda A.
CS Mystic Research, Monsanto Company, Mystic, CT, 06355, USA
SO Plant Physiology (2003), 131(3), 1270-1282
CODEN: PLPHAY; ISSN: 0032-0889
PB American Society of Plant Biologists
DT Journal
LA English
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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printed

~~Justy~~ March

L14 ANSWER 5 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2002:598647 BIOSIS
DN PREV200200598647
TI ***Gai*** induced ***male*** ***sterility*** is reversible by
kinetin.
AU Huang, Shihshieh [Reprint author]; Malloy, Kathleen P. [Reprint author];
Qi, Youlin; Cerny, R. Eric; Bhat, Deepti; Aydt, Carrie M.
CS Mystic Research, Monsanto Company, Saint Louis, MO, USA
shihshieh.huang@nal.monsanto.com
SO Plant Biology (Rockville), (2002) Vol. 2002, pp. 117. print.
Meeting Info.: Annual Meeting of the American Society of Plant Biologists
on Plant Biology. Denver, CO, USA. August 03-07, 2002. American Society of
Plant Biologists.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 20 Nov 2002
Last Updated on STN: 20 Nov 2002

✓

L14 ANSWER 6 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2002:474785 BIOSIS
DN PREV200200474785
TI ***gai*** induced ***male*** ***sterility*** is reversible by
kinetin.
AU Huang, Shihshieh [Reprint author]; Qi, Youlin [Reprint author]; Cerny, R.
Eric [Reprint author]; Bhat, Deepti [Reprint author]; Aydt, Carrie M.
[Reprint author]; Malloy, Kathleen P. [Reprint author]
CS Mystic Research/Monsanto Company, Mystic, CT, 06355, USA
shihshieh.huang@nal.monsanto.com
SO In Vitro Cellular and Developmental Biology Animal, (Spring, 2002) Vol.
38, No. Abstract, pp. 95.A. print.
Meeting Info.: 2002 Congress on In Vitro Biology. Orlando, FL, USA. June
25-29, 2002.
ISSN: 1071-2690.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 11 Sep 2002
Last Updated on STN: 11 Sep 2002

✓

=> file ca

=> s (huang, s?)/au

L15 7506 (HUANG, S?)/AU

=> s gibberelli?/ab,bi

L16 20966 GIBBERELLI?/AB,BI

=> s l15 and l16

L17 4 L15 AND L16

=> s l17 not l3

L18 3 L17 NOT L3

=> file biosis

=> s l18

L19 6 L17 NOT L3

=> dup rem

L20 7 DUP REM L18 L19 (2 DUPLICATES REMOVED)

=> d l20 1-7 ti py

L20 ANSWER 1 OF 7 CA COPYRIGHT 2005 ACS on STN DUPLICATE 1

TI Transgenic studies on the involvement of cytokinin and ***gibberellin***
in male development
PY 2003

L20 ANSWER 2 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI Gai induced male sterility is reversible by kinetin.
PY 2002

L20 ANSWER 3 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI gai induced male sterility is reversible by kinetin.
PY 2002

L20 ANSWER 4 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI The roles of catalase and superoxide dismutase in barley aleurone
programmed cell death.
PY 2000

L20 ANSWER 5 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI Effects of GA3 spray on spray type chrysanthemums.
PY 1998

L20 ANSWER 6 OF 7 CA COPYRIGHT 2005 ACS on STN DUPLICATE 2

TI Overexpression of 20-oxidase confers a ***gibberellin***
-overproduction phenotype in Arabidopsis
PY 1998

L20 ANSWER 7 OF 7 CA COPYRIGHT 2005 ACS on STN

TI Changes of endogenous hormones in shoot terminal of pot-planted crape
myrtle during bud differentiation
PY 1993

=> d l20 4-7 ab

=> d l20 1-3 6

L20 ANSWER 1 OF 7 CA COPYRIGHT 2005 ACS on STN DUPLICATE 1

AN 139:66107 CA

TI Transgenic studies on the involvement of cytokinin and ***gibberellin***
in male development

AU ***Huang, Shihshieh*** ; Cerny, R. Eric; Qi, Youlin; Bhat, Deepti;

Aydt, Carrie M.; Hanson, Doris D.; Malloy, Kathleen P.; Ness, Linda A.

CS Mystic Research, Monsanto Company, Mystic, CT, 06355, USA

and
above

SO Plant Physiology (2003), 131(3), 1270-1282
CODEN: PLPHAY; ISSN: 0032-0889
PB American Society of Plant Biologists
DT Journal
LA English
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 2 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2002:598647 BIOSIS
DN PREV200200598647
TI Gai induced male sterility is reversible by kinetin.
AU ***Huang, Shihshieh*** [Reprint author]; Malloy, Kathleen P. [Reprint
author]; Qi, Youlin; Cerny, R. Eric; Bhat, Deepti; Aydt, Carrie M.
CS Mystic Research, Monsanto Company, Saint Louis, MO, USA
shihshieh.huang@nal.monsanto.com
SO Plant Biology (Rockville), (2002) Vol. 2002, pp. 117. print.
Meeting Info.: Annual Meeting of the American Society of Plant Biologists
on Plant Biology. Denver, CO, USA. August 03-07, 2002. American Society of
Plant Biologists.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 20 Nov 2002
Last Updated on STN: 20 Nov 2002

nd
above

L20 ANSWER 3 OF 7 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2002:474785 BIOSIS
DN PREV200200474785
TI gai induced male sterility is reversible by kinetin.
AU ***Huang, Shihshieh*** [Reprint author]; Qi, Youlin [Reprint author];
Cerny, R. Eric [Reprint author]; Bhat, Deepti [Reprint author]; Aydt,
Carrie M. [Reprint author]; Malloy, Kathleen P. [Reprint author]
CS Mystic Research/Monsanto Company, Mystic, CT, 06355, USA
shihshieh.huang@nal.monsanto.com
SO In Vitro Cellular and Developmental Biology Animal, (Spring, 2002) Vol.
38, No. Abstract, pp. 95.A. print.
Meeting Info.: 2002 Congress on In Vitro Biology. Orlando, FL, USA. June
25-29, 2002.
ISSN: 1071-2690.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 11 Sep 2002
Last Updated on STN: 11 Sep 2002

nd
above

L20 ANSWER 6 OF 7 CA COPYRIGHT 2005 ACS on STN DUPLICATE 2
AN 130:92819 CA
TI Overexpression of 20-oxidase confers a ***gibberellin***
-overproduction phenotype in Arabidopsis
AU ***Huang, Shihshieh*** ; Raman, Anuradha S.; Ream, Joel E.; Fujiwara,
Hideji; Cerny, R. Eric; Brown, Sherri M.
CS Plant Growth and Development Group, Monsanto Company, St. Louis, MO,
63198, USA
SO Plant Physiology (1998), 118(3), 773-781
CODEN: PLPHAY; ISSN: 0032-0889
PB American Society of Plant Physiologists
DT Journal
LA English
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

✓
printed

November

=> file ca

=> s gai/ab,bi and (huang, s?)/au
433 GAI/AB
506 GAI/BI
7506 (HUANG, S?)/AU

L1 2 GAI/AB,BI AND (HUANG, S?)/AU

=> d 11 1-2

L1 ANSWER 1 OF 2 CA COPYRIGHT 2005 ACS on STN
AN 139:66107 CA
TI Transgenic studies on the involvement of cytokinin and gibberellin in male development
AU ***Huang, Shihshieh*** ; Cerny, R. Eric; Qi, Youlin; Bhat, Deepti; Aydt, Carrie M.; Hanson, Doris D.; Malloy, Kathleen P.; Ness, Linda A.
CS Mystic Research, Monsanto Company, Mystic, CT, 06355, USA
SO Plant Physiology (2003), 131(3), 1270-1282
CODEN: PLPHAY; ISSN: 0032-0889
PB American Society of Plant Biologists
DT Journal
LA English
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

ad above

L1 ANSWER 2 OF 2 CA COPYRIGHT 2005 ACS on STN
AN 138:382264 CA
TI Reversible male sterility in transgenic plants by expression of a ga-insensitive mutant protein, ***gai***
IN ***Huang, Shihshieh***
PA Monsanto Technology LLC, USA
SO U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

instant

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003097672	A1	20030522	US 2002-65800	20021120
PRAI	US 2001-331953P	P	20011121		

=> log y

STN INTERNATIONAL LOGOFF AT 18:00:50 ON 24 AUG 2005

10/065,800

WEST Search History

DATE: Wednesday, August 24, 2005

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<input type="checkbox"/>	L15	l9 and L14	294
<input type="checkbox"/>	L14	corn or maize or zea	122817
<input type="checkbox"/>	L13	L12 and gibberelli\$	0
<input type="checkbox"/>	L12	L9 and (800/320.1).ccls.	106
<input type="checkbox"/>	L11	L10 and l4	5
<input type="checkbox"/>	L10	L9 and (male adj steril\$)	168
<input type="checkbox"/>	L9	gai	1054
<input type="checkbox"/>	L8	l4 and (800/320.1).ccls.	0
<input type="checkbox"/>	L7	L6 not l3	20
<input type="checkbox"/>	L6	l4 and L5	21
<input type="checkbox"/>	L5	mutant\$ or mutat\$	100699
<input type="checkbox"/>	L4	gibberelli\$ near10 (male adj steril\$)	23
<input type="checkbox"/>	L3	l1 and L2	10
<input type="checkbox"/>	L2	gibberelli\$	2119
<input type="checkbox"/>	L1	huang.in.	15279

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20030097672 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 10

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030097672

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030097672 A1

insert

TITLE: Reversible male sterility in transgenic plants by expression of a GA-insensitive mutant protein, gai

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Huang, Shihshieh	Stonington	CT	US	

US-CL-CURRENT: 800/274; 504/241

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Ds
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 2. Document ID: US 20030028925 A1

L3: Entry 2 of 10

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028925

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030028925 A1

TITLE: Plant selectable marker and plant transformation method

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rodriguez, Raymond L.	Davis	CA	US	
Huang, Ning	Davis	CA	US	

US-CL-CURRENT: 800/288; 800/320.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Ds
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☐ 3. Document ID: US 20020174452 A1

L3: Entry 3 of 10

File: PGPB

Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020174452

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020174452 A1

TITLE: Monocot seeds with increased lignan content

PUBLICATION-DATE: November 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lewis, Norman G.	Pullman	WA	US	
Davin, Laurence B.	Pullman	WA	US	
Huang, Ning	Davis	CA	US	

US-CL-CURRENT: [800/284](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 4. Document ID: US 20020062499 A1

L3: Entry 4 of 10

File: PGPB

May 23, 2002

PGPUB-DOCUMENT-NUMBER: 20020062499

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020062499 A1

TITLE: Methods for translational repression of gene expression in plants

PUBLICATION-DATE: May 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Conner, Timothy W.	Wildwood	MO	US	
Fabbri, Bradon J.	Chesterfield	MO	US	
Huang, Jintai	Wildwood	MO	US	

US-CL-CURRENT: [800/287](#); [536/23.72](#), [800/271](#), [800/274](#), [800/288](#), [800/300](#), [800/303](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 5. Document ID: US 6872815 B1

L3: Entry 5 of 10

File: USPT

Mar 29, 2005

US-PAT-NO: 6872815

DOCUMENT-IDENTIFIER: US 6872815 B1

TITLE: Nucleic acid sequences to proteins involved in tocopherol synthesis

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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☐ 6. Document ID: US 6781044 B2

L3: Entry 6 of 10

File: USPT

Aug 24, 2004

US-PAT-NO: 6781044

DOCUMENT-IDENTIFIER: US 6781044 B2

TITLE: Plant selectable marker and plant transformation method

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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☐ 7. Document ID: US 6284956 B1

L3: Entry 7 of 10

File: USPT

Sep 4, 2001

US-PAT-NO: 6284956

DOCUMENT-IDENTIFIER: US 6284956 B1

TITLE: Plant selectable marker and plant transformation method

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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☐ 8. Document ID: US 6250796 B1

L3: Entry 8 of 10

File: USPT

Jun 26, 2001

US-PAT-NO: 6250796

DOCUMENT-IDENTIFIER: US 6250796 B1

TITLE: Agitation apparatus with static mixer or swirler means

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Drawings
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☐ 9. Document ID: US 5773697 A

L3: Entry 9 of 10

File: USPT

Jun 30, 1998

US-PAT-NO: 5773697

DOCUMENT-IDENTIFIER: US 5773697 A

TITLE: Genetic constructs and methods for producing fruits with very little or diminished seed

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. De
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☐ 10. Document ID: US 4977087 A

L3: Entry 10 of 10

File: USPT

Dec 11, 1990

US-PAT-NO: 4977087

DOCUMENT-IDENTIFIER: US 4977087 A

TITLE: Method of regenerating plantlets from mesophyll protoplasts of phaseolus angularis

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. De
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☐ 1. Document ID: US 20040187180 A1**Using default format because multiple data bases are involved.**

L7: Entry 1 of 20

File: PGPB

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040187180

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040187180 A1

TITLE: Inbred sunflower line H1063R

PUBLICATION-DATE: September 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gerdes, James T.	Breckenridge	MN	US	
Caroline, Joseph J.	Breckenridge	MN	US	

US-CL-CURRENT: 800/322; 435/428, 435/430.1, 435/468, 800/260, 800/266, 800/278, 800/298

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20040064857 A1

L7: Entry 2 of 20

File: PGPB

Apr 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040064857

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040064857 A1

TITLE: Nuclear male sterile plants, methods of producing same and methods to restore fertility

PUBLICATION-DATE: April 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Van Dun, Cornelis Maria Petrus	Roosendaal		NL	
Goddijn, Oscar Johannes Maria	Leiden		NL	

US-CL-CURRENT: 800/294; 435/252.1, 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 3. Document ID: US 20030200582 A1

L7: Entry 3 of 20

File: PGPB

Oct 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030200582

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030200582 A1

TITLE: Inbred sunflower line H1063R

PUBLICATION-DATE: October 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gerdes, James T.	Breckenridge	MN	US	
Caroline, Joseph J.	Breckenridge	MN	US	

US-CL-CURRENT: 800/322; 435/419

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 4. Document ID: US 6627799 B1

L7: Entry 4 of 20

File: USPT

Sep 30, 2003

US-PAT-NO: 6627799

DOCUMENT-IDENTIFIER: US 6627799 B1

TITLE: Plants with modified stamen cells

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 5. Document ID: US 6603064 B1

L7: Entry 5 of 20

File: USPT

Aug 5, 2003

US-PAT-NO: 6603064

DOCUMENT-IDENTIFIER: US 6603064 B1

TITLE: Nuclear male sterile plants, method of producing same and methods to restore fertility

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 6. Document ID: US 6372967 B1

L7: Entry 6 of 20

File: USPT

Apr 16, 2002

US-PAT-NO: 6372967

DOCUMENT-IDENTIFIER: US 6372967 B1

TITLE: Plants with modified stamen cells

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 7. Document ID: US 6344598 B1

L7: Entry 7 of 20

File: USPT

Feb 5, 2002

US-PAT-NO: 6344598

DOCUMENT-IDENTIFIER: US 6344598 B1

TITLE: Plants with modified stamen cells

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 8. Document ID: US 6320097 B1

L7: Entry 8 of 20

File: USPT

Nov 20, 2001

US-PAT-NO: 6320097

DOCUMENT-IDENTIFIER: US 6320097 B1

TITLE: Plants with modified stamen cells

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 9. Document ID: US 6316699 B1

L7: Entry 9 of 20

File: USPT

Nov 13, 2001

US-PAT-NO: 6316699

DOCUMENT-IDENTIFIER: US 6316699 B1

TITLE: Plants with modified stamen cells

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 10. Document ID: US 6229079 B1

L7: Entry 10 of 20

File: USPT

May 8, 2001

US-PAT-NO: 6229079

DOCUMENT-IDENTIFIER: US 6229079 B1

TITLE: Inbred sunflower line D116A

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Da
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Search Results - Record(s) 11 through 20 of 20 returned.

☐ 11. Document ID: US 6229078 B1

Using default format because multiple data bases are involved.

L7: Entry 11 of 20

File: USPT

May 8, 2001

US-PAT-NO: 6229078

DOCUMENT-IDENTIFIER: US 6229078 B1

TITLE: Inbred sunflower line PHA305

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schmidt; Herbert J.	Fargo	ND		
Cole; Glenn S.	Woodland	CA		

US-CL-CURRENT: 800/322; 435/416, 435/428, 435/430, 800/260, 800/271, 800/274, 800/298

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KWIC	Draw De
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☐ 12. Document ID: US 6229077 B1

L7: Entry 12 of 20

File: USPT

May 8, 2001

US-PAT-NO: 6229077

DOCUMENT-IDENTIFIER: US 6229077 B1

TITLE: Inbred sunflower line PHA283

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KWIC	Draw De
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☐ 13. Document ID: US 6184448 B1

L7: Entry 13 of 20

File: USPT

Feb 6, 2001

US-PAT-NO: 6184448

DOCUMENT-IDENTIFIER: US 6184448 B1

TITLE: Inbred sunflower line C9607CM

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 14. Document ID: US 6175065 B1

L7: Entry 14 of 20

File: USPT

Jan 16, 2001

US-PAT-NO: 6175065

DOCUMENT-IDENTIFIER: US 6175065 B1

**** See image for Certificate of Correction ****

TITLE: Inbred sunflower line PHA344

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 15. Document ID: US 6166305 A

L7: Entry 15 of 20

File: USPT

Dec 26, 2000

US-PAT-NO: 6166305

DOCUMENT-IDENTIFIER: US 6166305 A

**** See image for Certificate of Correction ****

TITLE: Inbred sunflower line PHA207

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 16. Document ID: US 6069304 A

L7: Entry 16 of 20

File: USPT

May 30, 2000

US-PAT-NO: 6069304

DOCUMENT-IDENTIFIER: US 6069304 A

**** See image for Certificate of Correction ****

TITLE: Inbred sunflower line PHA232

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 17. Document ID: US 5652354 A

L7: Entry 17 of 20

File: USPT

Jul 29, 1997

US-PAT-NO: 5652354

DOCUMENT-IDENTIFIER: US 5652354 A

**** See image for Certificate of Correction ****

TITLE: Stamen-selective promoters

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 18. Document ID: US 5532206 A

L7: Entry 18 of 20

File: USPT

Jul 2, 1996

US-PAT-NO: 5532206

DOCUMENT-IDENTIFIER: US 5532206 A

TITLE: Method of treating plants or plant tissues with C-16,17-dihydro gibberellins

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 19. Document ID: US 5304722 A

L7: Entry 19 of 20

File: USPT

Apr 19, 1994

US-PAT-NO: 5304722

DOCUMENT-IDENTIFIER: US 5304722 A

TITLE: Hybrid rice production utilizing perennial male sterile rice plants

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 20. Document ID: US 5158879 A

L7: Entry 20 of 20

File: USPT

Oct 27, 1992

US-PAT-NO: 5158879

DOCUMENT-IDENTIFIER: US 5158879 A

TITLE: Hybrid rice production utilizing perennial male sterile rice plants

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20030097672 A1

Using default format because multiple data bases are involved.

L11: Entry 1 of 5

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030097672

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030097672 A1

TITLE: Reversible male sterility in transgenic plants by expression of a GA-insensitive mutant protein, gai

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Huang, Shihshieh	Stonington	CT	US	

US-CL-CURRENT: 800/274; 504/241

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 2. Document ID: US 5304722 A

L11: Entry 2 of 5

File: USPT

Apr 19, 1994

US-PAT-NO: 5304722

DOCUMENT-IDENTIFIER: US 5304722 A

TITLE: Hybrid rice production utilizing perennial male sterile rice plants

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 3. Document ID: US 5158879 A

L11: Entry 3 of 5

File: USPT

Oct 27, 1992

US-PAT-NO: 5158879

DOCUMENT-IDENTIFIER: US 5158879 A

TITLE: Hybrid rice production utilizing perennial male sterile rice plants

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 4. Document ID: US 4999945 A

L11: Entry 4 of 5

File: USPT

Mar 19, 1991

US-PAT-NO: 4999945

DOCUMENT-IDENTIFIER: US 4999945 A

TITLE: Route to hybrid rice production

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 5. Document ID: US 4764643 A

L11: Entry 5 of 5

File: USPT

Aug 16, 1988

US-PAT-NO: 4764643

DOCUMENT-IDENTIFIER: US 4764643 A

TITLE: Route to hybrid rice production

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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